

# UI5con @SAP AGENDA 2017

Time	Track A	Track B	Track C	Booth 1	Booth 2	Booth 3
09:30	<b>OPENING</b>  Frederic Berg 09:30 - 09:50	<b>OPENING (BROADCAST)</b>  Frederic Berg 09:30 - 09:50				
10:00	<b>NEWS AROUND UI5 THAT YOU ABSOLUTELY HAVE TO KNOW</b>  Stefan Beck 09:50 - 10:30	<b>NEWS AROUND UI5 THAT YOU ABSOLUTELY HAVE TO KNOW (BROADCAST)</b> Stefan Beck 09:50 - 10:30				<b>UI5 CONTROLS FOR DOCUMENT HANDLING</b>  Pia Kinkel, Christoph Laux 10:00 - 11:00
10:30	<b>UI5 EVOLUTION – PERFORMANCE, ARCHITECTURAL GAPS, TRENDS</b>  Peter Muessig, Andreas Ecker 10:40 - 11:20	<b>OPEN-SOURCING OFFLINE UI5 APPS</b>  Tom Van Doorslaer 10:40 - 11:20	<b>WRITE RELIABLE APPLICATION TESTS FOR YOUR SAP UI5 APPLICATION</b>  Maxim Naidenov 10:40 - 11:41	<b>METADATA-DRIVEN CONTROLS WITH REST</b>  Martin Schaus 10:50 - 11:30	<b>BEHAVIOR-DRIVEN DEVELOPMENT WITH OPA5 AUTOMATED TESTS</b>  Andras Gabor Konya, Lorant Guth 10:50 - 11:30	<b>EMBEDDED ANALYTICS WITH CHARTS</b>  Pia Kinkel, Christoph Laux, Bohdan Pukalskyi 11:00 - 12:00
11:30	<b>SAPUI5 ON SAP HANA XSA - SAP FULL-STACK JAVASCRIPT DEVELOPMENT</b>  HP Seitz 11:30 - 12:10	<b>PLUG IN YOUR FEATURE INTO SAP WEB IDE</b>  Wouter Lemaire, Vered Constantin 11:30 - 12:10	<b>WRITING A REAL TIME GEOLOCATION MAP WITH OPENLAYERS</b>  Manuel Blechschmidt 11:50 - 12:50	<b>NEW DEMO KIT - YOUR WAS TO UI5</b>  Petya Begovska 11:40 - 12:20	<b>THE OPENUI5 DEVELOPER BLOG - BEHIND THE SCENES</b> Holder Schäfer 11:40 - 12:20	<b>DEVELOPER CLINIC: UI5 CONTROLS</b>  Pia Kinkel, Bohdan Pukalskyi, Dominic Holzwarth 12:00 - 13:00
12:00	<b>UPCOMING – UI5 ODATA V4 MODEL</b>  Patric Ksinsik, Thomas Chadzelek 12:20 - 13:00	<b>DEVELOPING CUSTOM ESLINT RULES</b> Alexander Flammer 12:20 - 12:40		<b>ADAPTING UI @ RUNTIME</b>  Mikhail Benderskiy 12:30 - 13:10	<b>ADVANCED CHARTING CONTROLS COMING TO UI5</b>  Ondrej Bohaciak, Václav Vopenka 12:30 - 13:10	<b>HOW TO BUILD AN ICE CREAM MACHINE WITH UI5 CONTROLS</b>  Christoph Laux, Bohdan Pukalskyi 13:00 - 14:00
13:00		<b>UI5 SUPPORTABILITY RELOADED</b>  Gergana Kremenska 13:30 - 14:10	<b>FUNCTIONAL PROGRAMMING FOR YOUR UI5 APP</b>  DJ Adams 13:40 - 14:40			
14:00	<b>EASY INTEGRATION WITH UI5</b>  Meredith Hasset 13:50 - 14:10			<b>SEO FOR OPENUI5 APPS</b>  Yavor Ivanov, Stanislava Baltova 14:00 - 14:40	<b>VIRTUAL TOUR AROUND A COMPANY SITE WITH UI5</b>  Helmut Tammen 14:00 - 14:40	<b>TILES IN UI5</b>  Christoph Laux, Bohdan Pukalskyi 14:00 - 15:00
14:30	<b>COLLABORATORS WANTED FOR UI5LAB - A CUSTOM UI5 REPO</b>  Michael Graf, Emmanuele Ricci 14:20 - 14:40	<b>WORKING WITH PDFS IN A (MOBILE) UI5 APP</b>  Vincent Weiss 14:20 - 14:40				
	<b>MIXED REALITY WITH OPENUI5</b>	<b>UI5 APPS BEYOND THE OFFICE</b>	<b>FLP MEETS SAPUI5 – EXTENDING THE FIORI LAUNCHPAD</b>	<b>COMPONENTS – MORE PERFORMANCE!</b>	<b>TEASER: IMPLEMENTING CUSTOM TILES FOR SAP FIORI LAUNCHPAD AS SAPUI5</b>	

15:00	Dmitriy Buslov 14:50 - 15:10	Denny Schreber 14:50 - 15:10	Thilo Seidel 14:50 - 15:50	Peter Muessig, Matthias Osswald 14:50 - 15:30	COMPONENTS  Stephan Heyne 14:50 - 15:30	SMART MICRO CHARTS    Bohdan Pukalskyi, Dominic Holzwarth 15:00 - 16:00
15:30	BUILDING A COMPANION CONVERSATIONAL UI FOR A FIORI APP  Gregor Brett 15:20 - 15:40	CONTROLLING UI5 APPS AND FLP VIA SPEECH  Aparna Narayanaswamy 15:20 - 15:40		CREATE YOUR OWN UI5 CONTROLS - WHAT'S COMING UP  Andreas Kunz 15:40 - 16:20	CODE-FREE FIORI APPS WITH SAP WEB IDE RAD AND LAYOUT EDITOR  Vered Constantin 15:40 - 16:20	
16:00	IOT FULL STACK SCENARIO  Mateusz Skadorwa, Tomasz Wilk 15:50 - 16:30	A MODERN OPENUIS APP PROJECT BOILERPLATE  Michael Dell, Jascha Quintern 15:50 - 16:30	FIORI 2.0 FOR YOUR APPLICATION          Stanislava Baltova, Yavor Ivanov 16:00 - 17:00	TIME OR MONEY? TIME (DateFormat) AND MONEY (NumberFormat)!   Jiawei Cao, Malte Wedel 16:30 - 17:10	DRAFTS: EXTENDING TWO-WAY BINDING TO PROVIDE AN EDITING CONCEPT   Ian Robert Taylor, Dirk Teufel 16:30 - 17:10	EMBEDDED ANALYTICS WITH CHARTS      Pia Kinkel, Christoph Laux, Bohdan Pukalskyi 16:00 - 17:00
16:30	CI: BUILD PROCESS & AUTOMATED TESTING OF UI5 APPS  Matthias Oßwald, Merlin Beutlberger 16:40 - 17:20	KEEP AN EYE ON SAPUI5 FLEXIBILITY  Alexander Rauh, Sebastian Wennemers 16:40 - 17:20	GETTING STARTED WITH UI5 ON CLOUD FOUNDRY  Frederic Berg 17:10 - 18:10	EFFORTLESS OPA TESTING WITH GHERKIN REUSABLE SPECS  Savio Dimatteo 17:20 - 18:00	A HITCHHIKER'S GUIDE TO THE UI5 DEMO APPS & TUTORIALS  Elena Makarenko 17:20 - 18:00	INTEGRATE FEED CAPABILITIES USING UI5 CONTROLS    Christoph Laux 17:00 - 18:00
17:00						
17:30	REAL-TIME IMAGE PROCESSING AND AUGMENTED REALITY Volker Buzek 17:30 - 17:50	LEVERAGING SERVICE WORKERS Benedikt Schölch, Tobias Sorn 17:30 - 17:50				
18:00	FROM NATIVE ANDROID TO UI5  Jan Zaruba, Tomas Krejci 18:00 - 18:20	UI5 THEMING EXPLAINED  Matthias Oßwald 18:00 - 18:20				
18:30	CLOSING WORDS					

Speaker Name	Session Title	Session Abstract	Type
Tom Van Doorslaer	Open-sourcing Offline UI5 apps	I admit, offline UI5 apps are not exactly "Wow!". It's been done before, many many times. Except that,... well I've done it many times according to the SAP Standards and using the SMP SDK. It's	Lecture
Maxim Naidenov	Write reliable application tests for your SAP UI5 application	Writing reliable application tests for web applications has never been easy. Modern JavaScript-centric frameworks like UI5 have made this even more complicated as the application UI is generated completely asynchronously by JavaScript code. The main challenge for an application test creator is to write a test that does not suffer from sporadic failures that dismiss its value as a testing tool. Together with all its enterprise qualities, OpenUI5 provides a state-of-the-art application testing framework called OPA. Using it, everyone can write application tests that synchronize with the state of the UI5 framework and provide inherent reliability without any explicit efforts from the test. Together with support for backend mocking provided from the MockServer one could build extensive, self-contained test suites that cover most UI interactions supported by the application. In this session we will start from an existing UI5 application and build an OPA test for some of its UI interaction scenarios. We will cover all aspects of test setup, selecting and interacting with UI5 controls, execution and debugging. We will also touch some advanced topics like structuring the tests in page objects and journeys, custom matchers and interaction with composite controls.	Hands-On
Peter Muessig Andreas	UI5 Evolution – increase performance, fix architectural gaps, embrace technologies	This session will present the ideas, concept and current state of UI5 evolution. The evolution of the core framework, rendering layer and build tooling could be shown; eventually an outlook for a new programming model layer. Maybe, this topic would be worth to be part of the "keynote" of the UI5con as it is of a very fundamental interest.  Depending on the status of the project in June we will be able to present the status of the project and/or even hands-on to show-case the already achieved improvements with regards to self-contained builds of UI5 applications as well as a new build tooling.	Lecture
Martin Schaus	Metadata Driven Controls / Fragment Controls / Create UI for a Swagger Service	Demo new upcoming features of UI5 regarding Metadata Driven Controls. Allow to manipulate the artifacts live in an editor and see the immediate result. Create custom control using a Fragment Control, add a Swagger service to the View and enhance the metadata. Drive the new custom control and other UI controls from the metadata.	Demo
Lóránt GuthAndrás Kónyi	Behavior Driven Development with OPA5 automated tests		Demo

Speaker Name	Session Title	Session Abstract	Type
HP Seitz	SAPUI5 on SAP HANA XSA - SAP Full-stack JavaScript Development	<p>Especially with the availability of SAP HANA Express Edition since September 2016 every developers has the possibility to do full-stack JavaScript development with SAP Backend. The session will demonstrate utilizing SAPUI5 on the SAP HANA Platform with HANA XSA (Node.js) using SAP Web IDE for SAP HANA and also an external IDE like WebStorm.</p> <p>This is the logical successor of the session "Full-stack JavaScript with OpenUI5" about the NEMO stack from the first UI5Con in Frankfurt.</p>	Lecture
Wouter Lemaire	Verrec Plug in your feature into SAP Web IDE	SAP Web IDE is THE development environment for SAPUI5, mobile and other applications. Wouldn't it be great if you could extend it by adding new development capabilities and features? This is now possible. SAP Web IDE allows you to create extensions through which you can add new functionality to the SAP Web IDE and improve the development experience. In this session, we will present how you can develop, test and share with the development community your own SAP Web IDE features. We will show a real use case, that already leverages this capability, written by Flexso, an SAP partner.	Lecture
Petya Begovska	Showcase New Demo Kit- Your Doorway to UI5	<p>The starting point for everyone working with UI5 is the Demo Kit Application. Here you can find all the needed information such as API Reference, Developer Guide, Samples and Demo apps.</p> <p>Now, it is completely redesigned to showcase the innovative, responsive and multi theme capable UI5 framework!</p> <p>Come and see the new Demo Kit app accessible on any device, with modern look and feel and easy to use. Provide your valuable feedback so we can make it even better!</p>	Demo
Holger Schäfer	The OpenUI5 Developer Blog - Behind the Scenes		Demo
Alexander Flammer	Developing Custom ESLint Rules	<p>This session covers the development of custom ESLint rules for UI5 projects.</p> <p>Expand your static code checks to your specific needs - whether you want to make sure that certain coding standards are followed or some statements are not being used, you can do all of this with custom ESLint Rules integrating into your CI process.</p>	Mini Lecture
Patric Ksinsik	Thomas Ch Upcoming – UI5 OData V4 Model	<p>Why is there the new OData Version 4.0 and how does UI5 support for it differ from OData V2 support? Learn about the architecture principles of the UI5 OData V4 model, its feature set and the current implementation status.</p>	Meet The Expert
Ondrej Bohaciak	Vaclav 'Advanced Charting Controls Coming to UI5	We will present newly released and upcoming controls which we have developed in Brno Suite Controls team. We will have prototypes and demos ready for the upcoming controls and demo apps for released controls. We'll be happy to answer any questions regarding implementation of our controls in your apps.	Demo

Speaker Name	Session Title	Session Abstract	Type
Mikhail Benderskiy	Chris Adapting UI @ Runtime : Everything you always wanted to know about it	Your application users have various good reasons for adapting their UI: to support their own business cases more efficient, to simplify workflows or to improve usability. Join us in this session to learn, why SAPUI5s innovative solution — UI Adaptation at Runtime (RTA) makes at as simple and efficient as never before, discuss your use-cases with our experts and share your own experience about UI extensibility! Complicated was in the past, now comes Flexibility!	Demo
Gergana Kremenska	UI5 Supportability Reloaded	In this session we will present the improvements we've added to SAPUI5 Supportability : - Brand new Support Assistant tool enables application developers to check whether their applications follow the guidelines and are built according to the best practices. - With Support Rules supplied by SAP, that are also easy to be authored directly in the Support Assistant tool, developers and designers can benefit from best advices how to avoid well known common mistakes and improvement hints on-the-spot of running application. - Overview of other Support/Troubleshooting tools will be provided as well	Lecture
Meredith Hassett	Easy integrations with UI5		Meet The Expert
DJ Adams	Functional programming for your UI5 App	Functional programming techniques allow you to write solid-state code, more stable and easier to reason about. In this session you'll get the chance to learn what it's like to use functional programming techniques in your code. Rather than look at code on slides, you'll write it yourself, guided by the session lead, to get a feel for the code under your fingertips and how it works. We'll take some standard UI5 demo apps and replace sections by introducing mechanisms such as currying, partial application and point-free coding, with a healthy dose of list-orientation and immutability.	Hands-On
Yavor Ivanov	Stanislava Search Engine Optimization for OpenUI5 Apps	You use openUI5 to build your publicly facing home page and site content. There are few tricks you can use to make sure search engines can find and understand your content. You will learn about structuring your links, JS rendering of dynamic content and more advanced topics like pre-rendering.	Demo
Helmut Tammen	Virtual Tour around a company site with UI5		Demo
Vincent Weiss	Working with PDFs in a (mobile) UI5 App	Sometimes you still need to get a signature confirmation of a work order and generate a PDF including this signature to confirm the work done. How can you do that on the client side and display the PDF as well, to show exactly what the client confirmed. Both on a mobile device as well as on the desktop, including IE11.	

Speaker Name	Session Title	Session Abstract	Type
Michael Graf	Collaborators Wanted – The UI5 Community and SAP present the “Custom UI5 Repo”	<p>This session will show the status of the community-driven “Custom UI5 Repo” project that we have just kicked off today.</p> <p>We don't know yet what exactly it will look like as we drive it together with the community. Therefore, we need to fine-tune the abstract later on but it would be a really good showcase for UI5con.</p> <p>Depending on the status of the project in June we will</p> <ul style="list-style-type: none"> <li>• Show the current plans and working mode</li> <li>• Highlight the community engagement and encourage participants to join in</li> <li>• Show the prototype or working repository and the content that we have aggregated so far</li> </ul>	
Thilo Seidel	FLP meets SAPUI5 – extending the fiori Launchpad	Let's build a simple FLP plugin (based on a UI5 Component) together. Once deployed to a FLP on Cloud Platform we will start to use the renderer extension api of FLP to place SAPUI5 controls into the FLP UI to improve the user experience of the Launchpad AND learn that SAPUI5 and Fiori Launchpad are actually of the same kind.	Hands-On
Peter MuessigMatthias	Components – more performance!	Describes the components concepts and especially the concept of the descriptor with regards to performance improvements (manifest first, async loading, model preloading, ...)	Demo
Dmitriy Buslov	Mixed Reality with OpenUI5	WebVR is an open standard that makes it possible to experience Virtual Reality in the browser. In this session I will show an example of OpenUI5 component for VR and a little extension with Mixed Reality.	Mini Lecture
Gregor Brett	Building a companion conversational UI for a Fiori App	Building a Conversational UI for the Fiori My Inbox app using API.AI. I will run through the code needed and do a live demo.	
Aparna Narayanaswamy	Controlling UI5 Apps and FLP via Speech	Project Details available as PPT in : <a href="https://jam4.sapjam.com/ideas/Nx4hRlyUsWOvz0qPxx0VmB">https://jam4.sapjam.com/ideas/Nx4hRlyUsWOvz0qPxx0VmB</a> , Project is in GitHub : <a href="https://github.wdf.sap.corp/D067009/FioriViaSpeech">https://github.wdf.sap.corp/D067009/FioriViaSpeech</a> . Please note that this was already presented in the Innovation Week 2016 for our Unit.	
Vered Constantin	CODE-FREE FIORI APPS WITH SAP WEB IDE RAD AND LAYOUT EDITOR	<p>Did you know you can create beautiful SAP Fiori applications without any coding?</p> <p>This is now possible with the innovative SAP Web IDE RAD perspective that allows you to view and modify your application using visual editors.</p> <p>You don't have to deal with complex technologies no more, from now on you can use SAP Web IDE RAD perspective and layout editor to add pages to your app, edit the UI, drag &amp; drop controls, create event handlers, add bindings and much more.</p> <p>All without a single line of code!</p>	Demo
Andreas Kunz	Create your own UI5 controls – part two: what's coming up	Have you developed your own UI5 controls? Yes? It's getting even easier now! We are working on new ways to bind data within composite controls and to even declare controls by combining others in so-called “FragmentControls”! (straight from the lab, never seen before)	Demo

Speaker Name	Session Title	Session Abstract	Type
Denny Schreber	UI5 Apps beyond the office	Session Description: In this session I will discuss options how UI5 web apps can be used as a basis for apps beyond your typical office requirements. While SAP Fiori apps and Fiori LaunchPad are the basis for SAPs Digital Workplace of the future, there exist much more possibilities how the web can be the basis for your digitalization efforts. We are looking into WebAPIs, standards such as WebRTC and 3rd party extensions and how this can be applied in enterprise settings. Adding Cloud APIs into the mix, lots of demand for feature-rich apps can already be fulfilled leveraging the web.	Mini Lecture
Mateusz Skadorwa	Tomcat IoT full stack scenario	IoT is the future, and SAP HANA is already future compatible. Is SAPUI5 the door for the users, to enter? IoT scenario will be presented, using such elements as Arduino, SAP HANA and SAPUI5. Temperature data are put in the HANA database, they are displayed in UI5 application in a chart, update in real time. The strong point of this presentation is the full stack development of IoT scenario, SAP makes it happen.	Lecture
Michael Dell Jascha Qui	A modern OpenUI5 app project boilerplate	Based on a public OpenUI5 boilerplate project (not published, yet) we want to share our experience and knowledge on how to setup and use a modern OpenUI5 app structure and build process by using Babel, Flow and Gulp (especially addressing non-SAP developers). Furthermore an overview of very useful best practices, does & don'ts and quick enhancements (like new useful methods in the app Component and BaseController) that should speed up your development workflow and that keep the app maintainable and scalable.	Lecture
Stanislava Baltova	Yavor Fiori 2.0 for Your Application	Find out everything you need to know about the new version of SAP Fiori. Learn what makes Fiori 2.0 different and which are the new UI5 features empowering Fiori 2.0 experience. In this session we will show and tell how to develop your Fiori 2.0 app from scratch and even more - how to migrate your existing app to Fiori 2.0.	Hands-On
Jiawei Cao	Malte Wedel Time or Money? Time (DateFormat) and Money (NumberFormat)!	With UI5, you don't need to struggle with the dilemmas of happiness which oblige you to choose one from time and money. You can have both of them! Oh, here we mean that you can have both time and money perfectly formatted across different locales. In this session, we will present the most exciting features of core.format.NumberFormat and core.format.DateFormat with interactive examples. We will demonstrate how we tackle the seemingly easy but actual complicated task to perfectly format date and number across different locales.	Demo

Speaker Name	Session Title	Session Abstract	Type
Ian Robert Taylor, Dirk Thiele	Drafts: Extending Two-Way Binding to Provide an Editing Concept	<p>In this Demo Booth session we will explain the concepts of Drafts, which enable a concept for editing entities.</p> <p>Two way binding provides a mechanism to maintain entities, but does not offer the feature to lock an entity during editing nor the option to control the visibility of a changed entity.</p> <p>In this session we examine the features needed from OData and from Function Imports that provide the mechanism to enable Drafts in a Freestyle Fiori App according to the SAP Fiori UX Guidelines.</p>	Demo
Alexander Rauh	Keep an eye on SAPUI5 Flexibility	<p>What is SAP's new extensibility approach all about? Well, the key is flexibility. Partners and customers need to adapt the UIs of SAP apps, for example add, hide or rearrange fields. Sounds technical and complicated? SAPUI5 extensibility changes all that allowing upgrade-safe, modification-free, and role-based UI changes with intuitive and easy-to-use tools – even for non-developers.</p> <p>What's the strategy behind it, what are the benefits, and what's the roadmap? In this session you'll find out.</p>	Lecture
Matthias Oßwald	Merlin CI: BUILD PROCESS & AUTOMATED TESTING OF UI5 APPS	<p>Learn how to continuously develop, build and test UI5 Apps using Open Source Node.js based tools. You will see how to apply dependency loading, bundling, minification und automated testing in your UI5</p>	Lecture
Frederic Berg	Getting started with UI5 on Cloud Foundry	<p>In this session, we will demonstrate how to get started on cloud foundry. We will see how to onboard onto the platform, install the necessary tools and deploy a UI5 application which makes use of platform services to persist its data.</p>	Hands-On
Savio Dimatteo	Effortless OPA testing with Gherkin Reusable Specs		Demo
Volker Buzek	Experiments with real-time Image processing and Augmented Reality in UI5	<p>It all started with a Proof-of-Concept of a UI5 hybrid application for discrete object recognition on mobile devices. In the course of the PoC, research led to several experiments around the key words in the session title: from real-time Image manipulation via visual object recognition up to Augmented Reality flavors, all of that within the UI5 framework. I'd like to show the results of the experiments and evaluate their sustainability and production readiness.</p>	Mini Lecture
Benedikt Schölch	Tobias Leveraging Service Workers	<p>Make your app future proof by taking the advantage of Service Workers in combination with UI5. In this talk you should learn about the new opportunities you have with Service Workers when applied to a UI5 application.</p>	Mini Lecture
Jan Zaruba	Tomas Krejci From native Android to UI5	<p>Movement from native Android to UI5 in order to show the way over hybrid application with Cordova using native business logic.</p> <p>Problems, learnings and outlook to move it to JS.</p>	Mini Lecture



Speaker Name	Session Title	Session Abstract	Type
Matthias Oßwald	UI5 Theming explained	Get a deep dive into how theming in UI5 works and how to easily build your own themes. This includes - Introduction into Less.js - Theme structure and extension - Usage of Node.js based build tools to compile custom themes	Mini Lecture